

## **Invasive MRSA Infections**

- **Data source:** CDC’s Emerging Infections Program (EIP) Active Bacterial Core Surveillance (ABCs) active laboratory and population-based surveillance for invasive MRSA infections
- **Definition:** <http://www.cdc.gov/abcs/index.html>
  - Invasive MRSA infection: isolation of MRSA from a normally sterile body site in a resident of the catchment area
  - Healthcare-associated (HCA) invasive MRSA infections include:
    - **Hospital Onset (HO):** Resident of catchment area whose invasive MRSA culture was collected > 3 days after hospital admission
    - **Healthcare-associated community-onset (HACO):** Resident of catchment area whose invasive MRSA culture was collected in an outpatient setting or < 4 calendar days after hospital admission and has any combination of the following healthcare exposures:
      - Dialysis, prior hospitalization, surgery, or residence in a long-term care facility in the previous year
      - Central vascular catheter in place at any time in the 2 days prior to initial culture
- **5-Year (2013) National Prevention Target:** 50% reduction in incidence of healthcare-associated invasive MRSA infections
- **Metric:** Rate per 100,000 persons
  - Rate adjusted for age, race, sex, and receipt of chronic dialysis
- **Baseline period:** 2007-2008
- **Baseline data:**
  - 9 EIP ABCs catchment areas: CA, CO, CT, GA, MD, MN, NY, OR, TN
  - Current catchment population: ~19 million
  - Estimated National incidence and no. of cases (see Table)

### **Baseline (2007-2008), 2009, 2010 Data:**

Category	Year	Disease Rate (per 100,000 persons)*		% Reduction in Disease Rate from Baseline		Estimate of Cases*		Reduction in Estimate of Cases (compared to Baseline)	
		As of 10/2011	As of 10/2012	As of 10/2011	As of 10/2012	As of 10/2011	As of 10/2012	As of 10/2011	As of 10/2012
<b>All Healthcare-associated (HCA)</b>	<b>2007-2008 (Baseline)</b>	26.24	27.08	--	--	79,463	82,239	--	--
	2010	21.46	21.76	18.2	19.7	65,985	67,034	13,478	15,205
	2011	--	20.06	--	26.34	--	62,509	--	19,491
<b>Hospital-onset (HO)</b>	<b>2007-2008 (Baseline)</b>	7.66	7.80	--	--	23,187	23,598	--	--
	2010	4.98	5.10	35.0	34.6	15,285	14,183	7,902	7,854
	2011	--	4.54	--	41.8	--	14,156	--	9,442
<b>Healthcare-associated, community onset (HACO)</b>	<b>2007 – 2008 (Baseline)</b>	18.57	18.87	--	--	56,235	57,111	--	--
	2010	15.83	16.61	14.8	12.0	48,855	51,290	7,380	8,664
	2011	--	15.52	--	17.8	--	48,353	--	8,758

\* Age and race-adjusted; national estimates projected to nation using U.S. census population.